

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-33 (Canceled).

Claim 34 (Currently Amended): A data processing method, comprising:

providing a first device adapted to be connected to a second device, and comprising a communicator having a first interface function defined in an asymmetric interface standard and operable to communicate at least one of a data file and a control command which causes the second device to print an image based on image data, with the second device having a second interface function defined in the asymmetric interface standard;

connecting selectively either a personal computer or a printer operable to perform printing without aid of a personal computer to a single connection port of the first device, as the second device;

judging whether the second device connected to the connection port is either the personal computer or the printer;

causing the communicator to transmit, to the second device, an image data file containing image data and a control signal causing the second device to print an image based on the image data, in a case where it is judged that the printer is connected to the connection port; and

causing the communicator to communicate a data file with the second device in a case where it is judged that the personal computer is connected to the connection port.

Claim 35 (Previously Presented): The data processing method as set forth in claim 34, wherein:

the first interface function is a device-side interface function of a USB, and the second interface function is a host-side interface function of the USB.

Claim 36 (Currently Amended): A data processing method, comprising:

providing a first device adapted to be connected to a second device, and comprising a communicator having a first interface function defined in an asymmetric interface standard and operable to perform communications with the second device having a second interface function defined in the asymmetric interface standard, the communicator comprising:

a first processing layer operable to perform communication through a still image capture device class;

a second processing layer operable in accordance with a picture transfer protocol; and
a third processing layer operable in accordance with a direct printing protocol to perform printing without aid of a personal computer;

connecting the second device to the first device;

confirming, with the picture transfer protocol, whether the direct printing protocol is available between the first device and the second device ~~is capable of performing printing without aid of a personal computer;~~ and

transmitting, to the second device, an image data file containing image data and described with an extensible markup language, and a control signal causing the second device to print an image based on the image data ~~through use of a still image capture device class and a picture transfer protocol,~~ after ~~the confirming is finished~~ it is confirmed that the direct printing protocol is available between the first device and the second device.

Claim 37 (Previously Presented): The data processing method as set forth in claim 36, wherein:

the first interface function is a device-side interface function of a USB, and the second interface function is a host-side interface function of the USB.

Claim 38 (Currently Amended): A first device, adapted to be connected to a second device by way of an asymmetric interface standard, comprising:

a single connection port, to which either a personal computer or a printer operable to perform printing without aid of a personal computer is selectively connected as the second device;

a storage, operable to store at least one data file including an image data file which contains image data;

a communicator, having a first interface function defined in the asymmetric interface standard and operable to communicate at least one of the data file and a control command which causes the second device to print an image based on the image data, with the second device having a second interface function defined in the asymmetric interface standard; and

a controller, operable to judge which one of the personal computer and the printer is connected to the connection port, the controller operable to cause the communicator to transmit the image data file and ~~the~~ a control signal to the second device in a case where it is judged that the printer is connected to the connection port, and operable to cause the communicator to communicate the data file with the second device in a case where it is judged that the personal computer is connected to the connection port.

Claim 39 (Previously Presented): The first device as set forth in claim 38, wherein:

the first interface function is a device-side interface function of a USB, and the second interface function is a host-side interface function of the USB.

Claim 40 (Currently Amended): A first device, adapted to be connected to a second device by way of an asymmetric interface standard, comprising:

a storage, operable to store at least one data file including an image data file which contains image data and is described with an extended markup language;

a communicator, having a first interface function defined in the asymmetric interface standard and operable to communicate at least one of the data file and a control command which causes the second device to print an image based on the image data, with the second device having a second interface function defined in the asymmetric interface standard, the communicator comprising:

a first processing layer operable to perform communication through a still image capture device class;

a second processing layer operable in accordance with a picture transfer protocol; and

a third processing layer operable in accordance with a direct printing protocol to perform printing without aid of a personal computer; and

a controller, operable to perform ~~confirmation that~~ confirmation, with the picture transfer protocol, whether the direct printing protocol is available between the first device and the second device is a printer operable to perform printing without aid of a personal computer, and operable to cause the communicator to transmit the image data file and the a control signal to the second device through use of a still image capture device class and a picture transfer protocol, after the confirmation is finished it is confirmed that the direct printing protocol is available between the first device and the second device.

Claim 41 (Previously Presented): The first device as set forth in claim 40, wherein:

the first interface function is a device-side interface function of a USB, and the second interface function is a host-side interface function of the USB.

Claim 42 (Currently Amended): A data processing system, comprising:

a first device and a second device, connected with each other by way of an asymmetric interface standard,

wherein the first device comprises:

a single connection port, to which either a personal computer or a printer operable to perform printing without aid of a personal computer is selectively connected as the second device;

a storage, operable to store at least one data file including an image data file which contains image data;

a communicator, having a first interface function defined in the asymmetric interface standard and operable to communicate at least one of the data file and a control command which causes the second device to print an image based on the image data, with the second device having a second interface function defined in the asymmetric interface standard; and

a controller, operable to judge which one of the personal computer and the printer is connected to the connection port, the controller operable to cause the communicator to transmit the image data file and ~~the~~ a control signal to the second device in a case where it is judged that the printer is connected to the connection port, and operable to cause the communicator to communicate the data file with the second device in a case where it is judged that the personal computer is connected to the connection port.

Claim 43 (Currently Amended): A data processing system, comprising:

a first device and a second device, connected with each other by way of an asymmetric interface standard,

wherein the first device comprises:

a storage, operable to store at least one data file including an image data file which contains image data and is described with an extended markup language;

a communicator, having a first interface function defined in the asymmetric interface standard and operable to communicate at least one of the data file and a control command which causes the second device to print an image based on the image data, with the second device having a second interface function defined in the asymmetric interface standard, the communicator comprising:

a first processing layer operable to perform communication through a still image capture device class;

a second processing layer operable in accordance with a picture transfer protocol; and

a third processing layer operable in accordance with a direct printing protocol to perform printing without aid of a personal computer; and

a controller, operable to perform ~~confirmation that~~ confirmation, with the picture transfer protocol, whether the direct printing protocol is available between the first device and the second device is a printer operable to perform printing without aid of a personal computer, and operable to cause the communicator to transmit the image data file and the a control signal to the second device through use of a still image capture device class and a picture transfer protocol, after the confirmation is finished it is confirmed that the direct printing protocol is available between the first device and the second device.